

ABSTRACT OF THE DISCLOSURE

In a method and breathing apparatus for assessing pulmonary stress, wherein pressure controlled flow of respiratory gas is generated, an ensuing flow is measured, resistance and compliance are determined based on measured pressure and flow and a stress index value is determined based on pressure, flow, resistance and compliance. The stress index value is 1 when no stress is present, ≥ 1 when there is a risk for overdistension and ≤ 1 when alveolar units are at a risk of being cyclically closed and opened. Implemented in a breathing apparatus the method can be used to assist an operator in diagnostic and therapeutic considerations in relation to a patient.

CH1\ 4056999.1